

CLAIMS

1.- Inner rolling platform characterized intern because it can settle and to extract with a slight basculación, only, of the whole rigid container, supported in the floor and without having to lift it, by means of an internal mechanism for inclination of the rigid container with an appropriate positioning receptacle, and in the journey of turn of the basculación, the concave inferior base of the one container goes coming closer to the central hole of the inner rolling platform, initially, in the moment of the first contact the rolling platform rises until playing with the concave inferior base of the container, and this way together, both they return to the floor and they are installed, already with the completely vertical container.

The mentioned mechanism also, it acts in inverse sense allowing the extraction of the inner rolling platform installed under the inferior base concave of the container, alone by means of a small inclination of the aforementioned one container and you proceeds to catch without more the inner rolling platform that also, for the combined inverse action of the concave inferior base of the one container and of the central hole of the inner rolling platform, this after to tilt is loose in the floor, without more.

This way, by means of this technical solution he decreases in an order of magnitude the effort to carry out regarding the conventional rolling platforms that they must be installed and extracted externally in the containers of the type of recipients to metallic pressure and also, in those that are not pressurized neither metallic, by means of their rising and to specify their external placement in the rolling platform or in floor, causing a great use difficulty, increased by the high weight of the containers when they are loaded.

2.- Inner rolling platform according to the recovery 1, characterized by one inner rolling platform that is composed of a base with cupel form cylindrical, of little depth whose diameter operative maximum will be a 10% smaller than the interior diameter of the plane base of establishment in the floor of the one rigid container.

The cylindrical cupel, in the center of its support base, has a wide hole, of functional minimum diameter of at least half of the diameter of the cupel, with a wide inclined outlying area, of pending equal to that of the inferior base
 5 concave of the container and with a difference between their diameters exterior and interior of at least 12%.

Another essential parameter of the platform rolling intern is its functional height total, that is to say with the wheels installed in their crown area to circulate,
 10 also counting, the grosor of the constructive material of the cylindrical cupel, the height of establishment of the inner rolling platform in the inferior base concave of the container, until 20% of the arrow of their segment of a circle, and finally, the height free of the inferior border of the container to the floor, with the platform rolling installed intern that should be understood in an interval
 15 of 8 mm. to 14 mm.

The height functional total of the inner platform rolling is decisive in the operation of the internal mechanism for inclination of the container, well, it defines an interval of good securities with those that the mentioned platform it can be installed and desinstalada without difficulty, that is to say that
 20 tilts from the one I am accustomed to toward the concave inferior base of the container and vice versa, without obstacles.

3.- Inner rolling platform according to the recoveries 1 and 2 characterized for a rigid container that to be able to use the inner rolling platform, their inferior
 25 base forms a positioning receptacle of plane-concave section, generated starting from the introduction of a spherical segment that corresponds to the concave inferior base of the rigid container, inside the cylinder of sustentation in the floor of the rigid container, penetrating from their superior base up to the 2/3 of their height, and also, she should have a reason adimensional among the longitudes of
 30 the rope and the arrow of the spherical segment smaller than 5,25.

This configuration constructive characteristic, already existent in the recipients to pressure metallic present in the market but alone with functions of vertical maintenance in the floor, becomes extensive by means of this invention

of the inner rolling platform, to all type of containers rigid motives not pressurized and in any way that with an inferior base with form of positioning receptacle, they will be able to improve their use estates.

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- 4.- Inner rolling platform according to the recoveries 1, 2 and 3, characterized because the selective conjunction of optimized geometric parameters that it allows the correct operation of the internal mechanism for inclination of the container of installation and extraction of the inner rolling platform, without
- 10 rising of the one container, it can be implemented by means of the introduction of the data in a calculation program that gives some constructive conformations functional of both as end products that will be been able to manufacture of any form, either, for shaping, assembling, court or inlaying of a material, total or mainly, metallic, plastic, vitreous, ceramic, wood or fiber, and I eat containers,
- 15 any susceptible type of use.